

A Process for dissolving elemental copper using 2-aminoethanol, the apparatus for the process and a method for treating wood using the copper ions produced

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Abstract of NZ334310

A process for preserving wood wherein the wood is infiltrated with gaseous carbon disulfide, and impregnated with an aqueous solution of a copper-monoethanolamine complex and dimethylamine. The copper-monoethanolamine complex is generated by circulating an aqueous solution containing about 1 to 50 wt % monoethanolamine upwardly through a packed bed of copper metal at 20 to 40 gpm/sq. ft; simultaneously passing a source of oxygen upwardly through the bed of copper metal at about 5 to 30 cfm/sq. ft. wherein the copper metal is dissolved in the aqueous solution of monoethanolamine forming the copper-monoethanolamine complex.

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